RAHAGEER SAADMAN ISLAM

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SUMMARY

Aspiring Software Engineer and Data Scientist skilled in Python, PHP, full-stack development, and machine learning. Experienced in building end-to-end ML pipelines, deploying web applications, and developing responsive GUI tools, focused on delivering robust, scalable, and data-driven software solutions.

PROJECTS AND RESEARCH

Undergraduate Thesis: A Hybrid Learning-Based Intrusion Detection Framework for Emerging Network Attacks with LIME-Driven Interpretability

- Built an end-to-end ML pipeline with data cleaning, feature scaling, and leakage prevention.
- Achieved >97% accuracy and 0.998 ROC AUC using hybrid ensemble models with LIME explainability.

NotesApp with To-Do List – PHP, MVC, MySQL, Tailwind CSS

- Integrated Google OAuth 2.0 authentication into a cloud-deployed PHP app (Render & Aiven MySQL).
- Gained experience in secure authentication, API integration, cloud deployment, and debugging production issues.
- GitHub: https://github.com/Rahageer90/Notesapp-in-PHP | Live: https://notesapp-in-php.onrender.com/

Calculator App – Python, PyQt5

- Engineered a calculator application using responsive grid-based layouts, custom UI styling, and event-driven architecture.
- Integrated error handling for robust performance and smooth user experience.
- GitHub: https://github.com/Rahageer90/CalcAppPython

E-commerce Bookstore App – PHP, MySQL, Tailwind CSS

- Developed complete e-commerce platform with user registration, product catalog, wishlist and shopping cart functionality
- Implemented secure user authentication and data protection following industry best practices
- Built smart cart system that preserves customer items in both cart and wishlist when transitioning from guest to registered user
- Created efficient product search and browse features with category filtering and pagination
- Managed complex database operations with proper security measures
- GitHub: github.com/Rahageer90/ecommerce_app

EDUCATION

B.Sc. in Computer Science and Engineering   *Oct 2021 – Present*
Brac University, Dhaka, Bangladesh

Higher Secondary Certificate   *2018 – 2020*
Adamjee Cantonment College, Dhaka, Bangladesh

SKILLS

Languages	Python, PHP, HTML, Tailwind CSS, JavaScript
Tools/Frameworks	Laravel, Django, PyQt5, MVC, Pandas, Matplotlib, Git/GitHub
Databases	MySQL
Machine Learning	Data Visualization, Supervised & Unsupervised Learning, Data Preprocessing, Explainable AI (LIME)
Other Skills	Responsive UI Design, Object-Oriented Programming (OOP), Data Structures & Algorithms (DSA), RESTful APIs

CERTIFICATES

- Data Analysis with Python – IBM
- Python Project for Data Science – IBM
- Databases and SQL for Data Science with Python – IBM
- Python App Development Masterclass – Udemy

VOLUNTEER EXPERIENCE

- Ramadan Donation Drive (2024): Organized grocery and iftar distribution for underserved communities.
- Clean Bangladesh 2.0 (2024): Participated in a public space cleaning and sustainability campaign.